

**STATE OF MARYLAND**  
**DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES**  
 The Johns Hopkins University  
 BALTIMORE 18, MARYLAND

1 of 4

**WELL COMPLETION REPORT**

*This report must be submitted within 30 days after completion of the well*

**WELL DESCRIPTION**

**WELL LOG**

State the kind of formations penetrated, their depth, their thickness, and if water-bearing

**CASING AND SCREEN RECORD**

State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well)

Permit Number 9 Fourteen (1)

Name of Owner  
Columbian Carbon Company

CG-1516, James F. Hamilton  
#2 - started drilling 3-29-55  
completed 7-8-55

Log of Well

	FEET	
	from.....to.....	
Cellar	0 - 9	
Soil	9 - 15	
Slate & Shells	15 - 391	
Lime	391 - 708	
Slate & Shells	708 - 1570	
White Slate	1570 - 1645	
Slate & Shells	1645 - 1872	
White Slate	1872 - 2429	
Slate & Shells	2429 - 2581	
Sand	2581 - 2591	
Slate & Shells	2591 - 2979	
Brown shale	2979 - 3410	
Gray shale	3410 - 3445	
Black slate	3445 - 3504	
White slate	3504 - 3598	
Dark Shale	3598 - 3959	
Chert	DEM 3960	
	SLM 3959 - 4044	
Slate break	4044 - 4077	
Oriskany Sand	4077 - 4091	
Dark Shale	4091 - 4116	
Sand	4116 - 4174	
Lime	4174 - 4506	
TOTAL DEPTH	- - - - -	4506'
PLUGGED & AB. 7-8-55		

Casing record:  
 4-1-55 - 13-3/8" drive pipe - ran 42' 6"  
 4-1-55 - 10-3/4" casing - ran 123' 4"  
 4-19-55 - 8-5/8" casing - ran at 708' 0"  
 5-24-55 - 7" casing; ran at 4075' 0" - cemented with 60 sacks

	DIAM. (Inches)	FEET
		from.....to.....
Casing		left in
13-3/8" drive pipe	42' 6"	0' 0"
10-3/4" casing	123' 4"	pulled
8-5/8" casing 2 1/2'	709' 2"	pulled
7" casing	4105' 2"	622' 11"
f. water 140'	hole full	
gas show between	2979' and 3350'	
Gas show	3292'	
Gas show	4082'	

**PUMPING TEST**

Hours Pumped.....  
 Pumping Rate  
 Gallons per Minute.....

**WATER LEVEL**

Distance from land surface to water:  
 Before Pumping.....Ft.  
 When Pumping.....Ft.

**APPEARANCE OF WATER**

Clear.....  
 Cloudy.....  
 Taste.....  
 Odor.....

Height of Casing Above Land  
 Surface .....Ft.

**PUMP**

Type.....  
 Capacity  
 Gallons per Minute.....  
 Gallons per Hour.....  
 Pump Column Length.....Ft.

**REMARKS**

plugged & abandoned  
 7-29-55. S & reverse  
 side

Well Was Completed  
 Date 7-8-55  
 Well Driller A.S. Bell  
 Signature



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**WELL COMPLETION REPORT**

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**WELL DESCRIPTION**

WELL LOG		CASING AND SCREEN RECORD		
State the kind of formations penetrated, their depth, their thickness, and if water-bearing		State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well)		
	FEET		DIAM. (inches)	FEET
	from.....to.....			from.....to.....
GW-1516, James F. Hamilton #2 - started drilling		Casing	Ran	pulled
3-29-55 - completed drilling		13-3/8" drive pipe-ran 42'6"	42'6"	-
<u>Log of Well</u>		10-3/4" - ran 123'4"	123'4"	-
Cellar	0 - 9	8-5/8" ran at 708'DIM	709'2"	-
Soil	9 - 15	7" ran to	4078'	-
Slate & Shells	15 - 391	Hole full of water at 140'		
Lime	391 - 708	Gas show 3992'		
Slate & Shells	708 - 1570	4082'		
White slate	1570 - 1645			
Slate & Shells	1645 - 1872			
White Slate	1872 - 2429			
Slate & Shells	2429 - 2979			
Brown Shale	2979 - 3410			
Grey Shale	3410 - 3445			
Black Slate	3445 - 3504			
White Slate	3504 - 3598			
Dark Shale	3598 - 3960			
Chert	DIM 3960 - 4044 SLM 3959 - 4077			
Slate break	4044 - 4077			
Oriskany Sand	4077 - 4091			
Dark Shale	4091 - 4116			
Sand- Oriskany	4116 - 4174			
Lime	4174 - 4587			
<b>TOTAL DEPTH</b>	<b>4587'</b>			

see reverse side for Hydrafracing record

Permit Number 6 Fourteen (1)  
 Name of Owner Columbian Carbon Co

**PUMPING TEST**

Hours Pumped.....  
 Pumping Rate  
 Gallons per Minute.....

**WATER LEVEL**

Distance from land surface to water:  
 Before Pumping.....Ft.  
 When Pumping.....Ft.

**APPEARANCE OF WATER**

Clear.....  
 Cloudy.....  
 Taste.....  
 Odor.....

Height of Casing Above Land Surface .....Ft.

**PUMP**

Type.....  
 Capacity  
 Gallons per Minute.....  
 Gallons per Hour.....  
 Pump Column Length.....Ft.

**REMARKS**

Will run temperature survey before plugging

Well Was Completed  
 Date.....  
 Well Driller A.E. Campbell  
 Signature

